

Contents

<i>Editorial Comment</i>	v
New method for collecting airborne dust and its optical emission spectrographic determination by electrothermal excitation L. Papp (Debrecen, Hungary)	1
Atmospheric pollution in the Venice area. II. Iron, manganese, lead, vanadium and cadmium in suspended particulate M.A. Bertolaccini and P.M.B. Gucci (Rome, Italy)	7
A study of the persistencies of SO ₂ concentrations exceeding limit values in the ambient air of an urban area S. Hallez, A. Derouane and G. Verduyn (Brussels, Belgium)	19
Isolation of mutagenic components by high-performance liquid chromatography from XAD extract of water from the Nishitakase river, Kyoto City, Japan S. Maruoka, S. Yamanaka and Y. Yamamoto (Kyoto, Japan)	29
Chlorinated insecticides and PCBs in Asteroidea and Holothuroidea species from Rijeka Bay, Yugoslavia N. Picer and M. Picer (Zagreb, Yugoslavia).	39
Ammonia, hydrogen sulphide and methyl mercaptides in Finnish municipal sewage plants and pumping stations J. Kangas, A. Nevalainen (Kuopio, Finland), A. Manninen (Oulu, Finland) and H. Savolainen (Helsinki, Finland).	49
In search of biomonitors for cadmium: cadmium content of wild Swedish fauna during 1973-1976 A. Frank (Uppsala, Sweden)	57
Alkalinization of soil through thermal power plant fly ash fallout C.B. Patel and G.S. Pandey (Raipur, India)	67
Daily intake of thorium by an Indian urban population H.S. Dang, D.D. Jaiswal and C.M. Sunta (Bombay, India)	73
Some metals and their possible sources in rain water of the southern Baltic coast, 1976 and 1978-1980 P. Szefer and K. Szefer (Gdańsk, Poland)	79
Genetic selection of homozygote allozyme genotypes in marine gastropods exposed to cadmium pollution B. Lavie and E. Nevo (Haifa, Israel)	91
Mercury vapour levels in a domestic environment following breakage of a clinical thermometer E.R. Smart (Newcastle upon Tyne, U.K.)	99
Mercury in neonatal scalp hair R. Sikorski, T. Paszkowski (Lublin, Poland) and T. Szprengier-Juszkiewicz (Pulawy, Poland)	105
Mercury pollution in marine sediment cores near cinnabar deposits and a chlor-alkali plant F. Baldi and M.L. D'Amato (Siena, Italy)	111
Lead, mercury, cadmium and selenium in two species of gull feeding on inland dumps, and in marine areas C. Leonzio, C. Fossi and S. Focardi (Siena, Italy)	121
The quantities of cadmium, lead, mercury and arsenic entering the U.K. environment from human activities M. Hutton and C. Symon (London, U.K.)	129

Contents

<i>Editorial Comment</i>	v
New method for collecting airborne dust and its optical emission spectrographic determination by electrothermal excitation L. Papp (Debrecen, Hungary)	1
Atmospheric pollution in the Venice area. II. Iron, manganese, lead, vanadium and cadmium in suspended particulate M.A. Bertolaccini and P.M.B. Gucci (Rome, Italy)	7
A study of the persistencies of SO ₂ concentrations exceeding limit values in the ambient air of an urban area S. Hallez, A. Derouane and G. Verduyn (Brussels, Belgium)	19
Isolation of mutagenic components by high-performance liquid chromatography from XAD extract of water from the Nishitakase river, Kyoto City, Japan S. Maruoka, S. Yamanaka and Y. Yamamoto (Kyoto, Japan)	29
Chlorinated insecticides and PCBs in Asteroidea and Holothuroidea species from Rijeka Bay, Yugoslavia N. Picer and M. Picer (Zagreb, Yugoslavia).	39
Ammonia, hydrogen sulphide and methyl mercaptides in Finnish municipal sewage plants and pumping stations J. Kangas, A. Nevalainen (Kuopio, Finland), A. Manninen (Oulu, Finland) and H. Savolainen (Helsinki, Finland).	49
In search of biomonitors for cadmium: cadmium content of wild Swedish fauna during 1973-1976 A. Frank (Uppsala, Sweden)	57
Alkalinization of soil through thermal power plant fly ash fallout C.B. Patel and G.S. Pandey (Raipur, India)	67
Daily intake of thorium by an Indian urban population H.S. Dang, D.D. Jaiswal and C.M. Sunta (Bombay, India)	73
Some metals and their possible sources in rain water of the southern Baltic coast, 1976 and 1978-1980 P. Szefer and K. Szefer (Gdańsk, Poland)	79
Genetic selection of homozygote allozyme genotypes in marine gastropods exposed to cadmium pollution B. Lavie and E. Nevo (Haifa, Israel)	91
Mercury vapour levels in a domestic environment following breakage of a clinical thermometer E.R. Smart (Newcastle upon Tyne, U.K.)	99
Mercury in neonatal scalp hair R. Sikorski, T. Paszkowski (Lublin, Poland) and T. Szprengier-Juszkiewicz (Pulawy, Poland)	105
Mercury pollution in marine sediment cores near cinnabar deposits and a chlor-alkali plant F. Baldi and M.L. D'Amato (Siena, Italy)	111
Lead, mercury, cadmium and selenium in two species of gull feeding on inland dumps, and in marine areas C. Leonzio, C. Fossi and S. Focardi (Siena, Italy)	121
The quantities of cadmium, lead, mercury and arsenic entering the U.K. environment from human activities M. Hutton and C. Symon (London, U.K.)	129

	291
Selenium in Japanese baby foods	
Y. Hojo (Kyoto, Japan)	151
Ultimate biodegradation of 2-, 3- and 4-nitrotoluene	
J. Struijs and J. Stoltenkamp (Bilthoven, The Netherlands)	161
Composition of suspended particulate matter from Scottish coastal waters - geochemical implications for the transport of trace metal contaminants	
P.W. Balls (Aberdeen, U.K.)	171
Lead pollution from the external redecoration of old buildings	
S.A. Rundle and M.J. Duggan (London, U.K.)	181
Adsorptive behavior of butyltin compounds under simulated estuarine conditions	
L. Randall and J.H. Weber (Durham, NH, U.S.A.)	191
Transport of arsenic and mercury from gold mining activities through an aquatic system	
A. Mudroch (Burlington, Ontario, Canada) and T.A. Clair (Moncton, N.B., Canada)	205
Seasonal variation of copper and zinc concentrations in the oyster <i>Saccostrea cucullata</i> from the Dampier Archipelago, Western Australia: implications for pollution monitoring	
V. Talbot (Perth, Australia)	217
The Chernobyl accident - radionuclide fallout in S.W. England	
E.I. Hamilton, R.J. Clifton (Plymouth, U.K.) and B. Zou (Qingdao, P.R. of China)	231
<i>Short Communications</i>	
Volatilisation of heavy metals from a refuse dump	
M. Lodenius and H. Braunschweiler (Helsinki, Finland)	253
Use of bullfrogs (<i>Rana catesbeiana</i>) as biological markers for 2,3,7,8-tetrachlorodibenzo- <i>p</i> -dioxin contamination in the environment	
W.A. Korfmacher, E.B. Hansen Jr and K.L. Rowland (Jefferson, AR, U.S.A.)	257
<i>Book Reviews</i>	263
<i>News Section</i>	279
<i>Announcement</i>	287
<i>Author Index</i>	288
<i>Subject Index</i>	289
<i>Contents (Volume 57, 1986)</i>	290

